	Application No.	Applicant(s)
Notice of Allowability	09/911,023	LECTION ET AL.
	Examiner	Art Unit
	Jeffrey D. Popham	2137

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *6/27/2005*.

2. ☒ The allowed claim(s) is/are *3,4,6,9,10,12,15,16,18 and 19*.

3. ☒ The drawings filed on *31 March 2005* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
   Paper No./Mail Date _____ .

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
   Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
   of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
   Paper No./Mail Date *20050729* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER

Remarks

Claims 3, 4, 6, 9, 10, 12, 16, 18, and 19 are pending.

EXAMINER'S AMENDMENT

In The Claims:

1-2.   (Canceled)

3.   (Previously Presented) A method as set forth in claim 4, wherein said correlating step comprises at least the step of:

assigning the child-node context-value of said correlated child nodes to inherit the parent-node context value.

4.   (Currently Amended) A <u>computer-implemented</u> method of controlling access by a parent node to child nodes in a DOM tree corresponding to a data file, comprising the steps of:

assigning a parent-node context-value to said parent node, said parent-node context-value being stored as character information in the data file;

assigning a child-node context-value to each of said child nodes, said parent-node context-value being stored as character information in the data file;

correlating one or more of said child nodes to said parent node, said correlating step comprising at least assigning the child-node context-value of said correlated child nodes to be the same as the parent-node context value; and

permitting access by said parent node only to said correlated child nodes;

wherein each of said parent node and said child nodes is assigned a name, said name being stored as character information in the data file, and wherein each of the

names assigned to said child nodes is encrypted at the time it is assigned, and wherein

said step of permitting access comprises at least the step of:

decrypting the names of each correlated child node.

5.   (Canceled)

6.   (Previously Presented) A method as set forth in claim 4, wherein each of

said child nodes is assigned a child-node context-value which is unique with respect to

the child-node context-value of all other child nodes, and wherein only one of said child

nodes is correlated to said parent node, said correlating step comprising at least the

step of:

assigning the child-node context-value of said correlated child-node to be the

same as the parent-node context-value.

7-8.   (Canceled)

9.   (Previously Presented) A system as set forth in claim 10, wherein said

means for correlating comprises at least:

means for assigning the child-node context-value of said correlated child nodes

to inherit the parent-node context value

10.   (Previously Presented) A system for controlling access by a parent node
to child nodes in a DOM tree corresponding to a data file, comprising:

means for assigning a parent-node context-value to said parent node, said
parent-node context-value being stored as character information in the data file;

means for assigning a child-node context-value to each of said child nodes, said
parent-node context-value being stored as character information in the data file;

means for correlating one or more of said child nodes to said parent node,
wherein said means for correlating comprises at least means for assigning the child-
node context-value of said correlated child nodes to be the same as the parent-node
context value; and

means for permitting access by said parent node only to said correlated child
nodes;

wherein each of said parent node and said child nodes is assigned a name, said
name being stored as character information in the data file, and wherein each of the
names assigned to said child nodes is encrypted at the time it is assigned, and wherein
said means for permitting access comprises at least:

means for decrypting the names of each correlated child node.

11.   (Canceled)

12.   (Previously Presented) A system as set forth in claim 10, wherein each of
said child nodes is assigned a child-node context-value which is unique with respect to

the child-node context-value of all other child nodes, and wherein only one of said child

nodes is correlated to said parent node, said means for correlating comprising at least:

means for assigning the child-node context-value of said correlated child-node to

be the same as the parent-node context-value.

13-14. (Canceled)

15.   (Previously Presented) A computer program product as set forth in claim

16, wherein said computer-readable program code configured to correlate one or more

of said child nodes to said parent node comprises at least:

computer-readable program code configured to assign the child-node context-

value of said correlated child nodes to inherit the parent-node context value.

16.   (Previously Presented) A computer program product for controlling

access by a parent node to child nodes in a DOM tree corresponding to a data file,

comprising:

computer-readable program code embodied in a computer-readable storage

medium, said computer-readable program code comprising:

computer-readable program code configured to assign a parent-node context-

value to said parent node, said parent-node context-value being stored as character

information in the data file;

computer-readable program code configured to assign a child-node context-value to each of said child nodes, said parent-node context-value being stored as character information in the data file;

computer-readable program code configured to correlate one or more of said child nodes to said parent node, wherein said computer-readable program code configured to correlate one or more of said child nodes to said parent node comprises at least computer-readable program code configured to assign the child-node context-value of said correlated child nodes to be the same as the parent-node context value; and

computer-readable program code configured to permit access by said parent node only to said correlated child nodes;

wherein each of said parent node and said child nodes is assigned a name, said name being stored as character information in the data file, and wherein each of the names assigned to said child nodes is encrypted at the time it is assigned, and wherein said computer readable program code configured to permit access by said parent node only to said correlated child nodes comprises at least:

computer-readable program code configured to decrypt the names of each correlated child node.

        17.   (Canceled)

18.   (Previously Presented) A computer program product as set forth in claim

16, wherein each of said child nodes is assigned a child-node context-value which is

unique with respect to the child-node context-value of all other child nodes, and wherein

only one of said child nodes is correlated to said parent node, said computer-readable

program code configured to correlate one or more of said child nodes to said parent

node comprising at least:

computer-readable program code configured to assign the child-node context-

value of said correlated child-node to be the same as the parent-node context-value.

19.   (Currently Amended) A computer-implemented method of controlling

access by a parent node to child nodes in a DOM tree corresponding to a data file,

comprising the steps of:

assigning a parent-node context-value to said parent node, said parent-node

context-value being stored as character information in the data file;

assigning a child-node context-value to each of said child nodes, said parent-

node context-value being stored as character information in the data file;

assigning each of said parent node and said child nodes a respective name;

encrypting each of said respective names;

storing said encrypted respective names as character information in the data file,

correlating one or more of said child nodes to said parent node by assigning the

child-node context-value of said correlated child nodes to be the same as the parent-

node context value; and

permitting access by said parent node only to said correlated child nodes, said

permitting access including decrypting the names of each correlated child node.

Allowable Subject Matter

1.   Claims 3, 4, 6, 9, 10, 12, 15, 16, 18, and 19 are allowed. The following is an examiner's statement of reasons for allowance:

The closest prior art discloses a method for controlling access by a parent node to child nodes in a DOM tree via correlation of context values and permitting the parent node to only access those child nodes that have a correlated context value, and encryption/decryption of the names of the child nodes within a DTD (document type definition), but does not disclose encryption and decryption of the names of the child nodes within the character information of the data file (XML document).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrey D. Popham whose telephone number is (571)-272-7215. The examiner can normally be reached on M-F 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571)272-3865. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER